

**MACHINE FOR MAKING FILTER MOUTHPIECES FOR ROD-SHAPED
SMOKERS' PRODUCTS**

ABSTRACT OF THE DISCLOSURE

1 A machine for making composite filter mouthpieces
2 for cigarettes or the like has a conveyor serving to
3 transport a series of upright tubes of paper or the like
4 past a vertically movable plunger which serves to
5 introduce into successive tubes alternating plugs or wads
6 of filter material and batches of flowable granular
7 and/or pulverulent filter material. If the extent to
8 which the plunger descends into a registering tube is
9 outside of a predetermined range, the tube contains an
10 excessive quantity or less than the required quantity
11 of filter material. This is detected by one or more
12 sensors which causes or cause ejection of the respective
13 tube from the path for acceptable filter mouthpieces.
14 A compensating device cooperates with the plunger to
15 allow for proper confinement of flowable filter material
16 against rattling between a pair of filter plugs if the
17 quantity of such flowable filter material in a tube is
18 below an optimum value.